

**PAT-NO:** JP405194919A  
**DOCUMENT-IDENTIFIER:** JP 05194919 A  
**TITLE:** RELEASE LINER  
**PUBN-DATE:** August 3, 1993

**INVENTOR-INFORMATION:**

NAME	COUNTRY
JOHNSON, MICHAEL AN/A	
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**INT-CL (IPC):** C09J007/02 , B32B005/08 , B32B027/12

**ABSTRACT:**

**PURPOSE:** To obtain a release liner in which defects such as breakage and elongation are improved by forming a release layer containing an olefin (co)polymer on the constitutional layer of a reinforcing nonwoven fabric composite containing two layers of specified constitution.

**CONSTITUTION:** In a reinforcing nonwoven fabric composite having two layers, one layer is composed of fibers (example: nylon fibers) which are substantially arranged randomly, the other layer is a reinforcing nonwoven fabric composite composed of a reinforcing fibers (example: polyester fibers) arranged linearly. A release layer having at least one of an olefin homopolymer (example: polybutylene), an olefin copolymer (example: ethylene-propylene copolymer) and an olefin polar monomer copolymer is formed on at least one layer of the nonwoven fabric composite to produce a release liner. The obtained liner is used appropriately to prevent the fouling of the adhesive layer and other purposes.

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DERWENT- 1994-221296

ACC-NO:

DERWENT- 200172

WEEK:

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**TITLE:** Release paper for mount for adhesive sheet, tape etc - has release layer formed of mixed resin comprising ethylene based copolymer and thermoplastic resin

**PATENT-ASSIGNEE:** DAINIPPON PRINTING CO LTD[NIPQ]**PRIORITY-DATA:** 1992JP-0332561 (November 18, 1992)**PATENT-FAMILY:**

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
JP 06155687 A	June 3, 1994	N/A	006	B32B 027/32B32B 027/32
JP 3226639 B2	November 5, 2001	N/A	006	

**APPLICATION-DATA:**

PUB-NO	APPL-DESCRIPTOR	APPL-NO	APPL-DATE
JP 06155687A	N/A	1992JP-0332561	November 18, 1992
JP 3226639B2	N/A	1992JP-0332561	November 18, 1992
JP 3226639B2	Previous Publ.	JP 6155687	N/A

**INT-CL** B32B027/00, B32B027/06 , B32B027/10 , B32B027/32 ,  
**(IPC):** B32B031/30 , C08L023/08 , C09J007/02 , D21H027/00 ,  
D21H027/30

**ABSTRACTED-PUB-NO:** JP 06155687A**BASIC-ABSTRACT:**

In a sheet of release paper having a release layer in the range of specific surface wetting characteristics: the release layer is formed of a mixed resin comprising (A) an ethylene-based copolymer has density of 0.80 to 0.90 g/cm<sup>3</sup>, a brittle temp. of -70 deg C or below according to ASTM D746, a Vicat softening temp of 55 to 114 deg C according to ASTM D1525, surface hardness of 42 to 90 according to JIS K6301, and a crystallinity index of 3% or less.

(B) the thermoplastic resin has a density difference above 0.01 g/cm<sup>3</sup> compared with the density of (A) ethylene-based copolymer.

USE/ADVANTAGE - Release paper is used as the mount for adhesive

sheet, adhesive tape, etc.

Release paper gives stable release without occurrence of paste residue, etc..

**CHOSEN-** Dwg.0/0

**DRAWING:**

**TITLE-** RELEASE PAPER MOUNT ADHESIVE SHEET TAPE RELEASE LAYER

**TERMS:** FORMING MIX RESIN COMPRISE ETHYLENE BASED COPOLYMER  
THERMOPLASTIC RESIN

**DERWENT-CLASS:** A17 A81 G03 P73

**CPI-CODES:** A04-G11; A08-M03; A12-A01; A12-A01A; G02-A05D; G03-B04;

**ENHANCED-** Polymer Index [1.1] 017 ; R00326 G0044 G0033 G0022 D01 D02  
**POLYMER-** D12 D10 D51 D53 D58 D82 ; H0011\*R ; A999 A782 ; A999 A351  
**INDEXING:** A340 ; P1150 Polymer Index [1.2] 017 ; B9999 B4831\*R  
B4740 ; B9999 B5629 B5572 ; B9999 B3792 B3747 ; B9999  
B4773\*R B4740 ; B9999 B4104 B4091 B3838 B3747 ; B9999  
B3178 ; K9665 Polymer Index [1.3] 017 ; ND01 ; K9745\*R ;  
Q9999 Q7205 Q7114 ; B9999 B5390 B5276 ; K9563 K9483 ;  
K9483\*R ; K9574 K9483 ; K9676\*R ; B9999 B5334 B5298 B5276  
Polymer Index [2.1] 017 ; H0317 ; A999 A782 ; A999 A351  
A340 Polymer Index [2.2] 017 ; B9999 B4831\*R B4740 Polymer  
Index [2.3] 017 ; ND01 ; K9745\*R ; Q9999 Q7205 Q7114 ;  
B9999 B5390 B5276 ; K9563 K9483 ; K9483\*R ; K9574 K9483 ;  
K9676\*R ; B9999 B5334 B5298 B5276 Polymer Index [3.1]  
017 ; P0000 Polymer Index [3.2] 017 ; Q9999 Q6633 ;  
K9676\*R ; K9574 K9483 ; ND01 Polymer Index [3.3] 017 ;  
A999 A351 A340

**POLYMER-MULTIPUNCH-CODES-AND-KEY-SERIALS:**

**Key** 0214 0218 0222 0231 0240 2315 2617 2622 2640 2645 2662

**Serials:** 2667 2670 2725 2726 2816 3003 3253 3269

**Multipunch** 017 034 04- 040 041 046 047 13- 311 314 351 442 443 477

**Codes:** 504 55& 551 556 560 561 575 577 580 59& 597 600 603 604

608 017 04- 040 311 314 442 443 477 55& 575 580 59& 597

600 603 017 04- 314 609 668

**SECONDARY-ACC-NO:**

**CPI Secondary Accession Numbers:** C1994-100976

**Non-CPI Secondary Accession Numbers:** N1994-174748